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|---|--|--------------------------|--------------------------------|
| <i>Effective on 12/08/2004.</i> <i>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</i> | | <i>Complete if Known</i> | |
| FEES TRANSMITTAL For FY 2009 | | Application Number | 10/747,949-Conf. #6947 |
| | | Filing Date | December 31, 2003 |
| | | First Named Inventor | Seok Hwa JEONG |
| | | Examiner Name | S. D. Alvesteffer |
| | | Art Unit | 2175 |
| TOTAL AMOUNT OF PAYMENT (\$) | | 180.00 | Attorney Docket No. 0465-1116P |

METHOD OF PAYMENT (check all that apply)

| | | | | |
|---|--------------------------------------|--------------------------------------|-------------------------------|--|
| <input type="checkbox"/> Check | <input type="checkbox"/> Credit Card | <input type="checkbox"/> Money Order | <input type="checkbox"/> None | <input type="checkbox"/> Other (please identify): _____ |
| <input checked="" type="checkbox"/> Deposit Account | | Deposit Account Number: 02-2448 | | Deposit Account Name: Birch, Stewart, Kolasch & Birch, LLP |

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

| | |
|--|---|
| <input checked="" type="checkbox"/> Charge fee(s) indicated below | <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee |
| <input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 | <input type="checkbox"/> Credit any overpayments |

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | |
|------------------|--------------|----------|--------------|----------|------------------|----------|
| | Small Entity | Fee (\$) | Small Entity | Fee (\$) | Small Entity | Fee (\$) |
| Utility | 330 | 165 | 540 | 270 | 220 | 110 |
| Design | 220 | 110 | 100 | 50 | 140 | 70 |
| Plant | 220 | 110 | 330 | 165 | 170 | 85 |
| Reissue | 330 | 165 | 540 | 270 | 650 | 325 |
| Provisional | 220 | 110 | 0 | 0 | 0 | 0 |

2. EXCESS CLAIM FEES

| Fee Description | Small Entity | Fee (\$) | Fee (\$) |
|--|--------------|----------|----------|
| Each claim over 20 (including Reissues) | | 52 | 26 |
| Each independent claim over 3 (including Reissues) | | 220 | 110 |
| Multiple dependent claims | | 390 | 195 |

| Total Claims | Extra Claims | Fee (\$) | Fee Paid (\$) | Multiple Dependent Claims |
|---|--------------|----------|---------------|---------------------------|
| 35 | - 43 or HP | x | = | Fee (\$) |
| HP = highest number of total claims paid for, if greater than 20. | | | | Fee Paid (\$) |

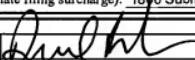
| Indep. Claims | Extra Claims | Fee (\$) | Fee Paid (\$) | Multiple Dependent Claims |
|--|--------------|----------|---------------|---------------------------|
| 3 | - 3 or HP | x | = | Fee (\$) |
| HP = highest number of independent claims paid for, if greater than 3. | | | | Fee Paid (\$) |

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$270 (\$135 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|--|--------------------------------|---------------|
| _____ | - 100 = | /50 = | (round up to a whole number) x | = |

| 4. OTHER FEE(S) | Fee Paid (\$) |
|--|---------------|
| Non-English Specification, \$130 fee (no small entity discount) | |
| Other (e.g., late filing surcharge): 180.6 Submission of an Information Disclosure Statement | 180.00 |

| | | | |
|-------------------|---|--|---|
| SUBMITTED BY | | | |
| Signature |  | | Registration No. (Attorney/Agent) 42,325 Telephone (703) 205-8000 |
| Name (Print/Type) | David A. Bilodeau Date March 18, 2010 | | |